

D_{RP}

FIG. 1

FIG. 2 is a schematic diagram of a multi-layered structure 1. The structure 1 is composed of a top layer 20 and a series of intermediate layers 2 through 14, which are collectively designated by reference numeral 17. The bottom layer is designated by reference numeral 1. The layers 2 through 14 are further grouped into two sets: layers 2 through 7 are designated by reference numeral 18, and layers 8 through 14 are designated by reference numeral 19. A downward arrow labeled D_{RP} indicates a direction of force or pressure applied to the top layer 20.

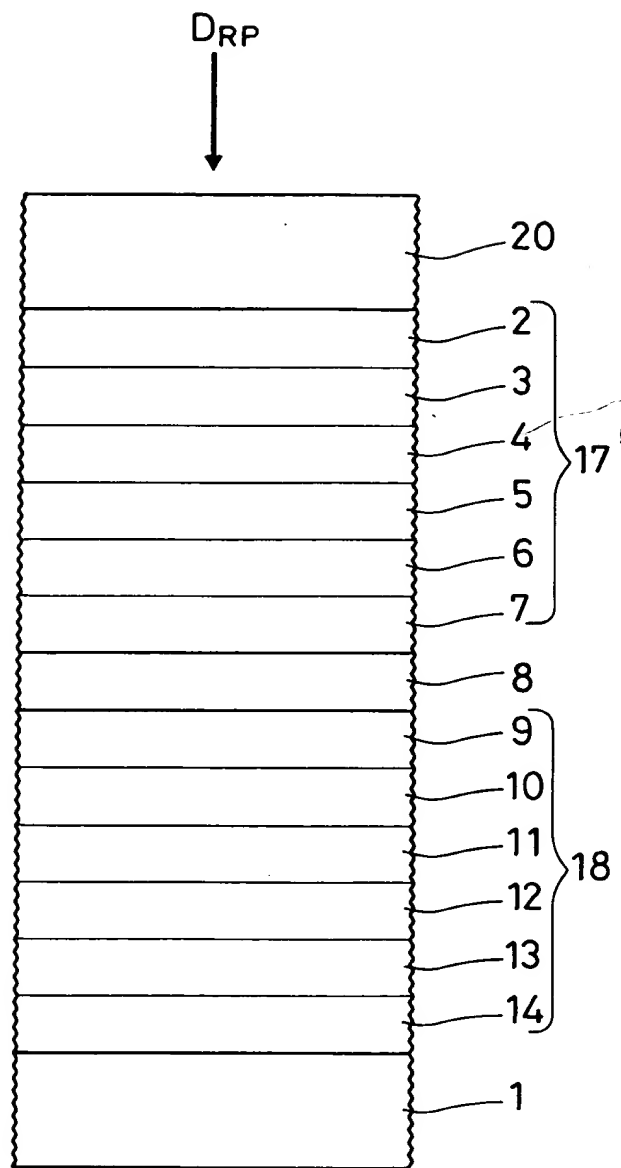


FIG. 2

FIG. 3 is a schematic diagram of a multi-layered structure 10. The structure 10 is composed of a stack of layers 2, 3, 4, 5, 6, 7, 15, 9, 10, 11, 12, 13, 14, and 22. The layers 2, 3, 4, 5, 6, 7, and 15 are grouped together by bracket 17, and the layers 9, 10, 11, 12, 13, and 14 are grouped together by bracket 18. The layers 22 and 21 are the top and bottom layers, respectively. An upward arrow labeled D_{RP} is shown below the structure 10, indicating a direction of force or displacement.

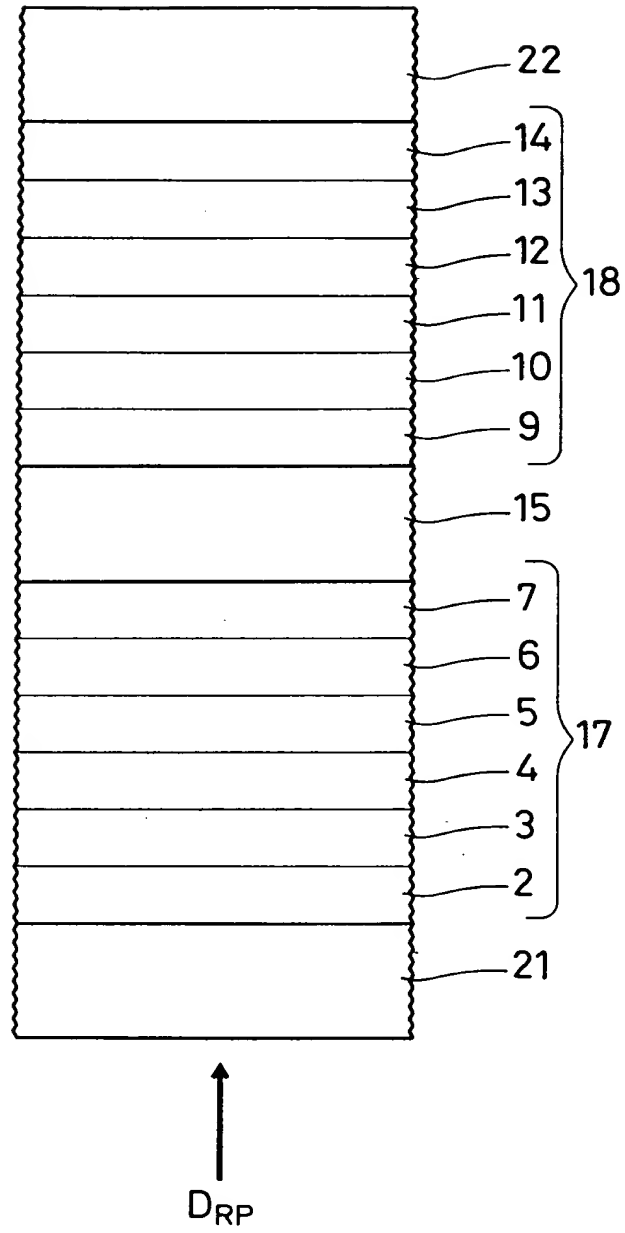


FIG. 3

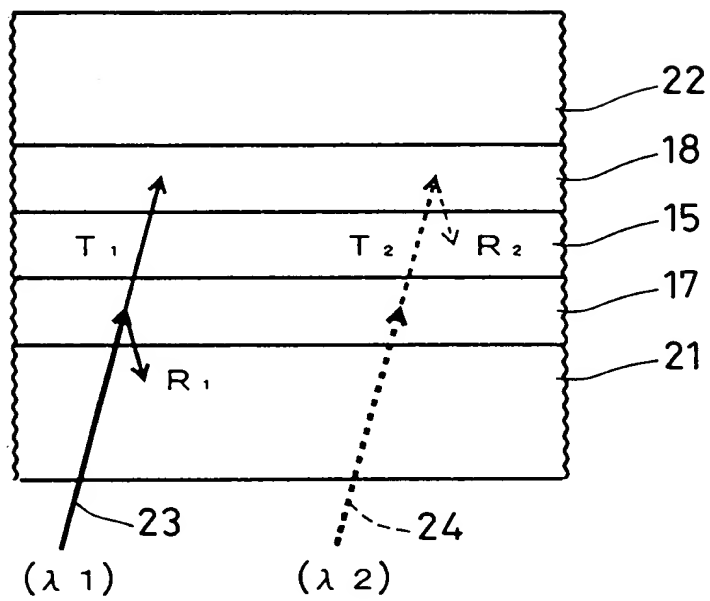


FIG. 4

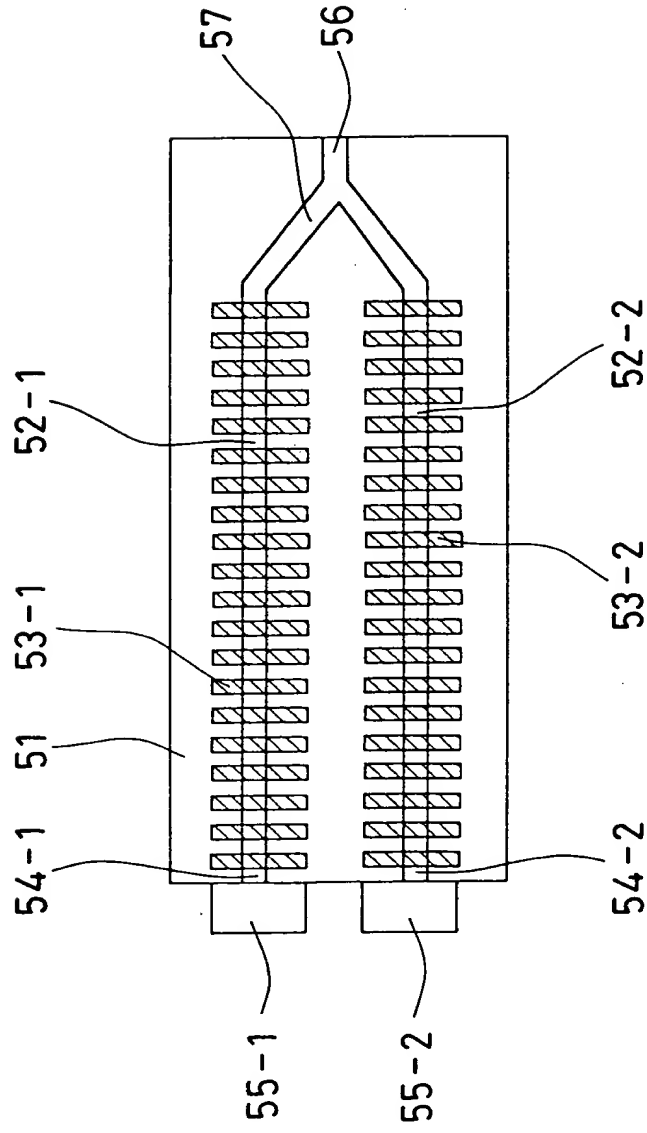


FIG. 5

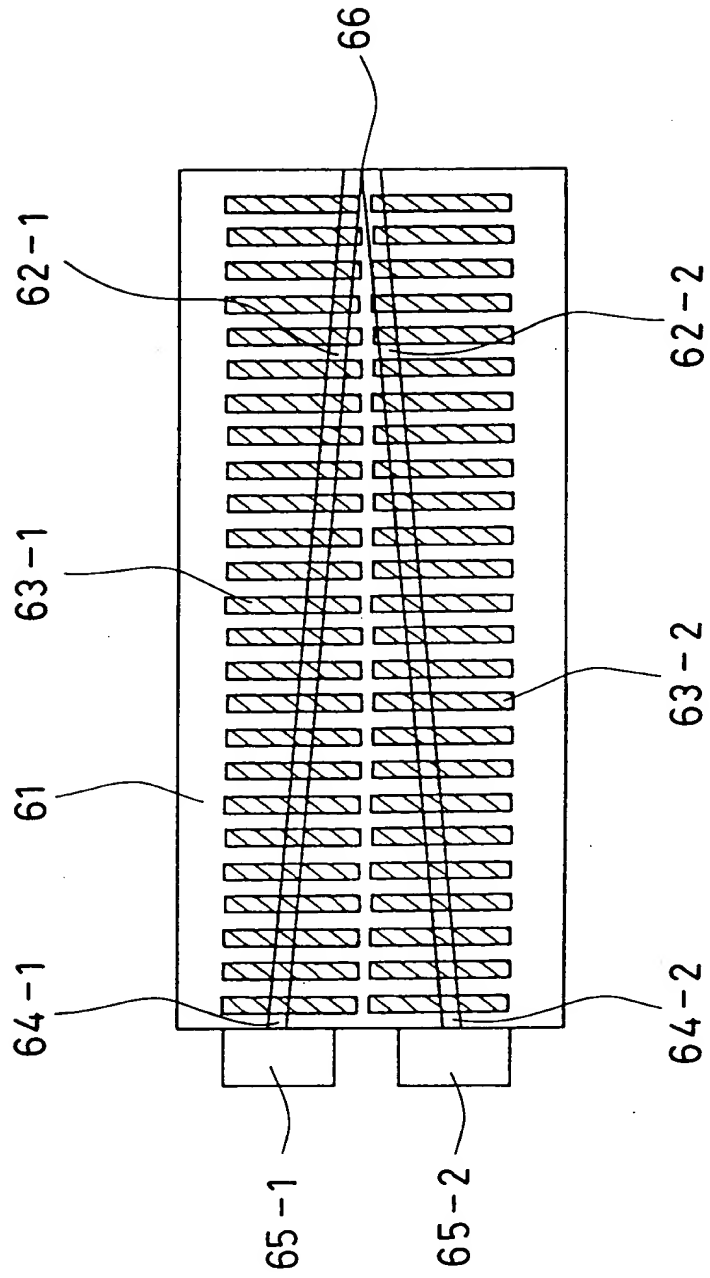


FIG. 6

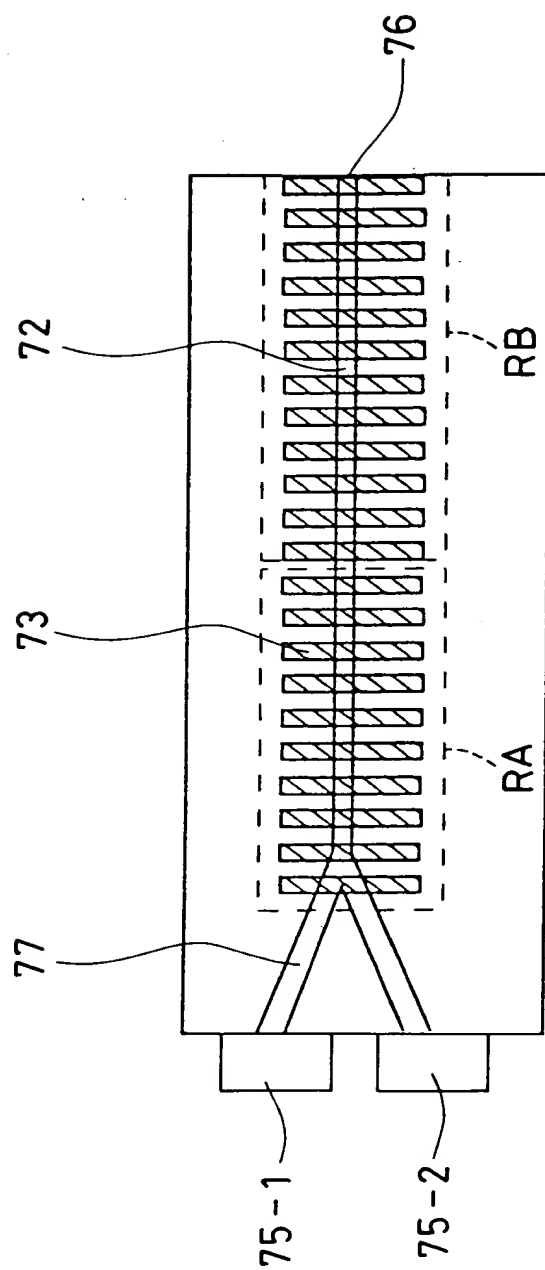


FIG. 7

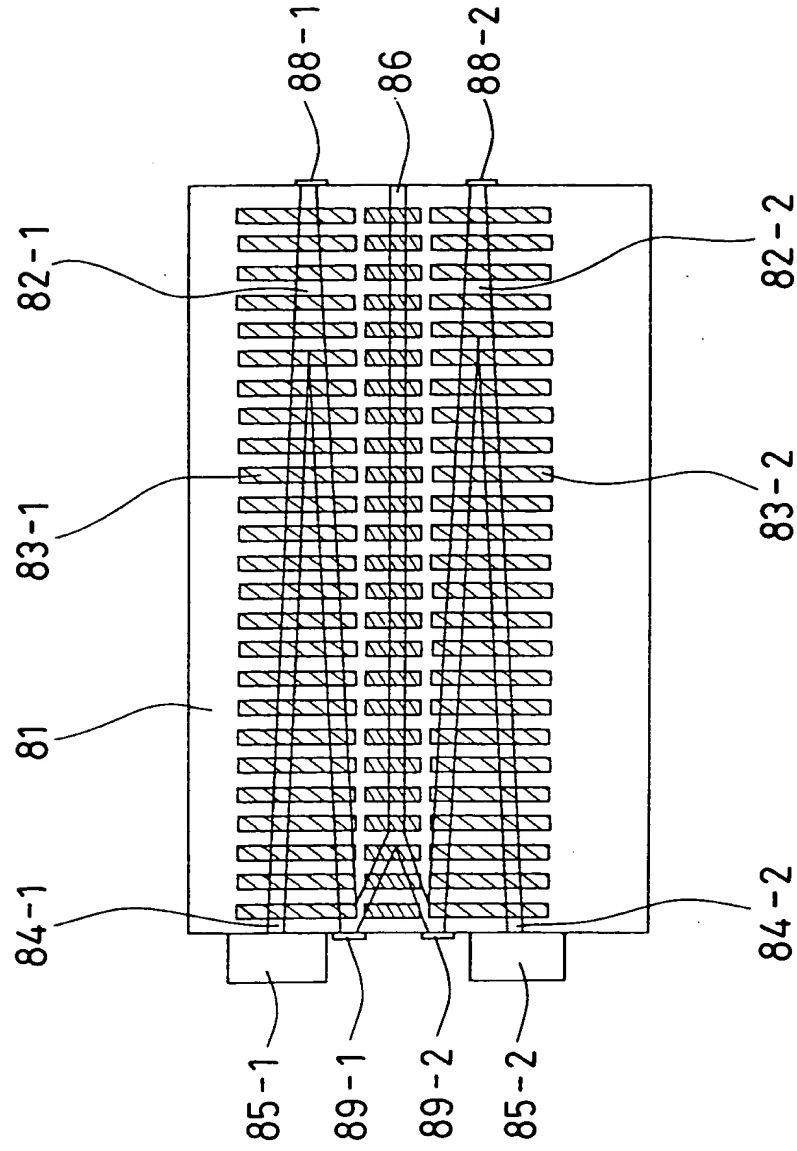


FIG. 8

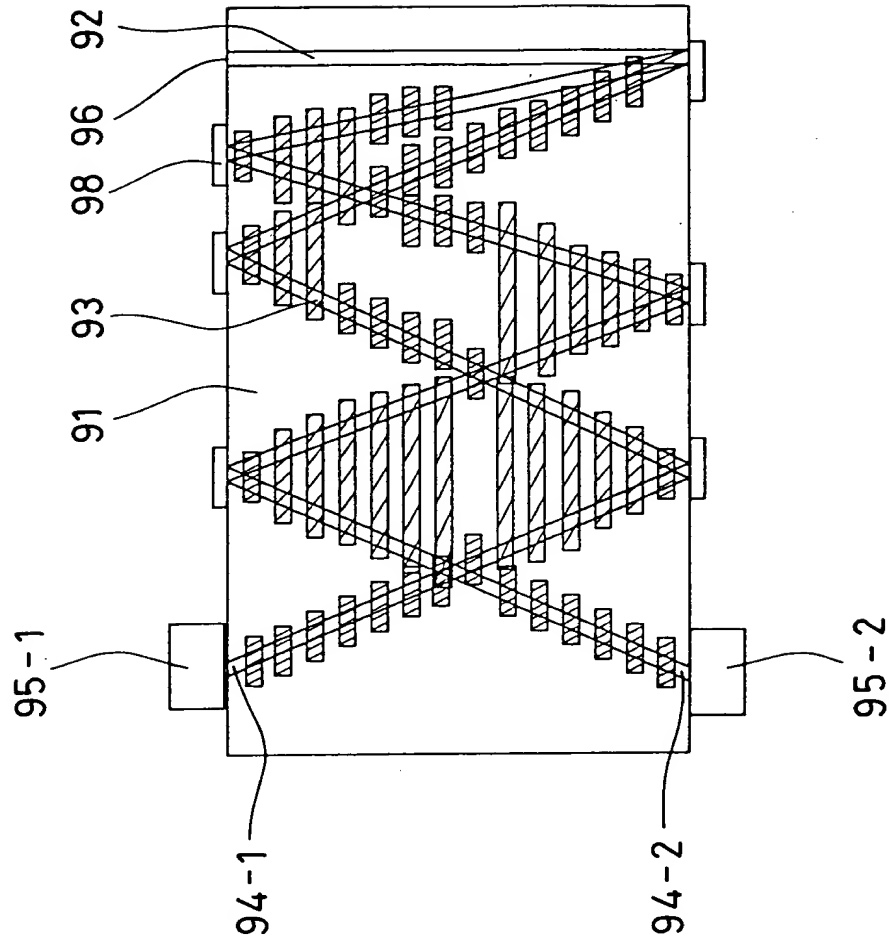


FIG. 9

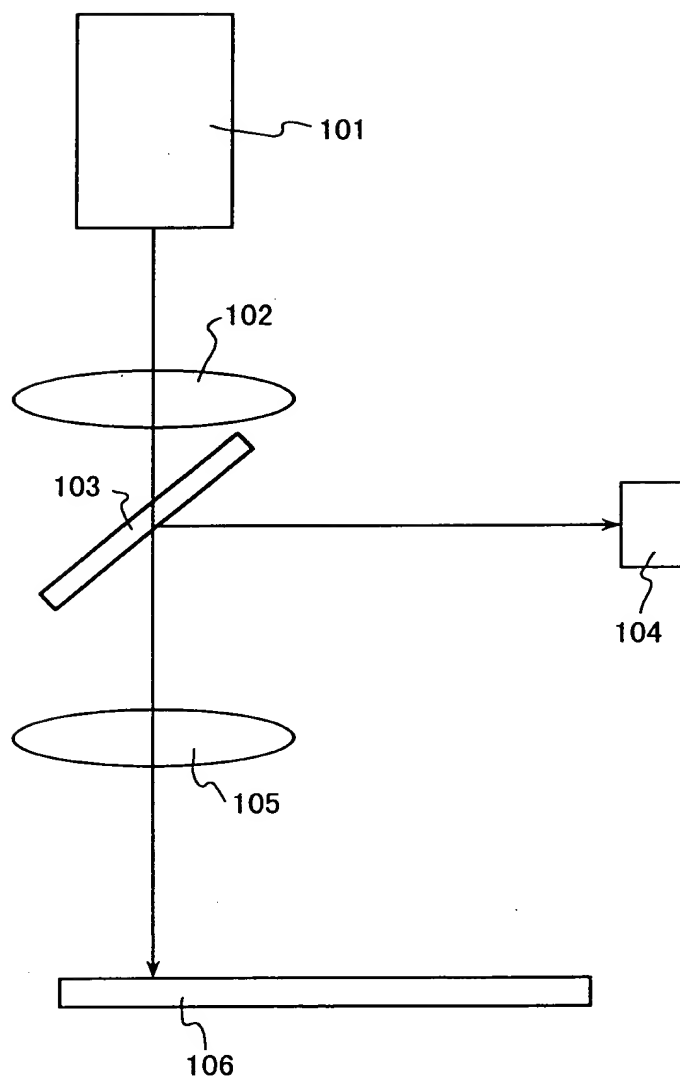


FIG . 10

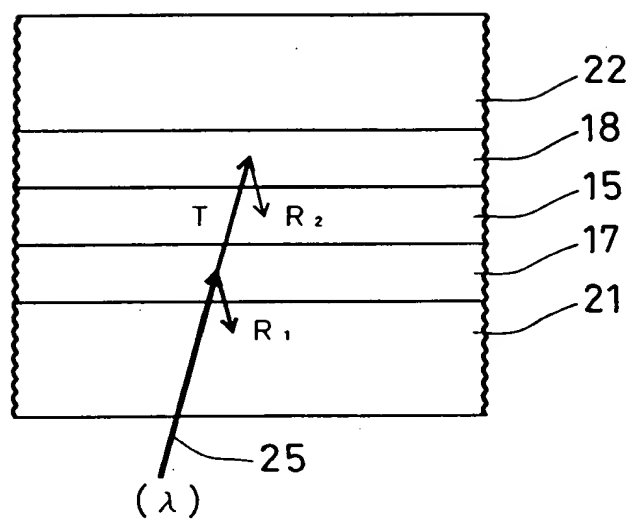


FIG. 11 (PRIOR ART)

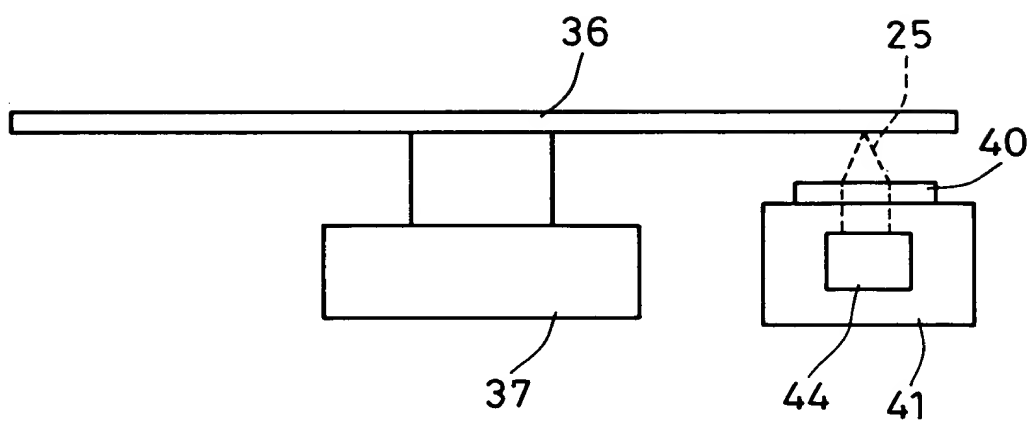


FIG. 12 (PRIOR ART)

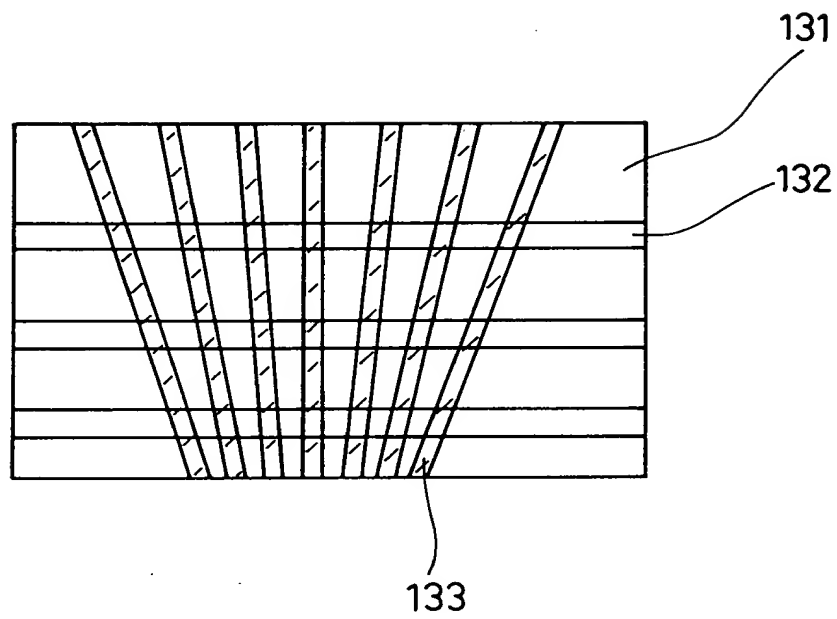


FIG. 13 (PRIOR ART)

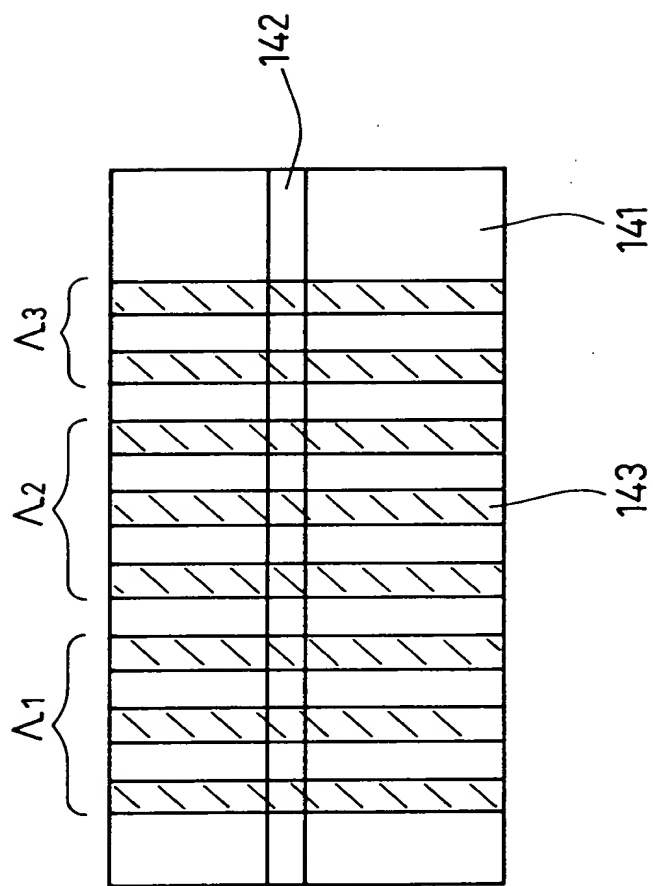


FIG. 14 (PRIOR ART)